



EPOXY RESINS NEWSLETTER

APRIL 2019

[Subscribe here](#)

WHAT'S NEW

Epoxies team up with graphene and carbon to create new compound



We have seen epoxies [lowering CO2 emissions from aircrafts](#) and [protecting water pipes from rust](#). We have also seen them [going underwater](#) and [saving lives](#). We know they make our [cities beautiful](#) and more [sustainable](#). Now, with some help from their friends' carbon and graphene, epoxy resins have some new superpowers to accomplish a lot more.

Read about this innovative [application](#).

Epoxy coatings in food cans: Preserving life for long



From easy transportation and storage to significant food waste reduction, cans continue to be a popular solution for food preservation. And the long shelf life is not even the most impressive part. The taste, texture and colour of the food inside remain unaffected for years. How is that possible? As with [potable water pipes](#), epoxy coatings make cans resistant to corrosion and keep the contents protected from any metal traces that could lead to food poisoning.

Hungry for more? Take a look at this [spotlight article](#).

STAY IN THE LOOP



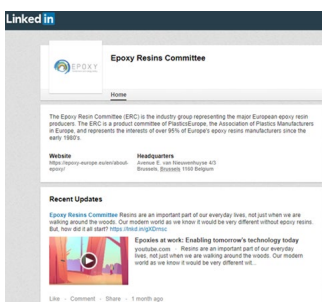
Keep up with what's happening in the world of epoxies!

Read our tweets at [@EpoxyEU](#)

Follow our [LinkedIn page](#)

Check out previous editions of the [ERC newsletter](#)

Explore previous [spotlight articles](#) and the always-surprising [application of the month](#).



DID YOU KNOW?



Did you know that epoxy composites brought down the initial 2,000 pieces needed for a metal-based airplane tail fin to fewer than 100? In the next 20 years more than 30,000 new aircraft deliveries are expected, while about 10,000 existing airplanes will need to be refitted. Design and maintenance efforts are primarily targeting weight reductions for better fuel economy and lowering service costs to ultimately reduce operating costs, thus helping airlines operate successfully in a fiercely competitive global environment.

EPOXIES AT WORK



Epoxies + coffee waste = new flame retardant material

A team at the Nanyang Polytechnic in Singapore have developed a new flame retardant material by mixing epoxy resins with coffee. Dr Henry Leung and his team spent roughly nine months to achieve the perfect ratio of epoxy, a chemical binder, to coffee waste. Along with its fire-resistant qualities, the coffee-epoxy resin has the potential to become a possible solution for reducing coffee waste. Win-win! [Read the full story.](#)



Photos by: Alif Amsyar



Camp life in Antarctica and the importance of epoxy

A journey though Antarctica's [McMurdo Dry Valleys](#) would not have been the same without epoxies. Jen, Kate and Missy explained their life at the camp



Photos by: Jen Lamp

and how epoxies were the solution to properly attach the equipment to the rocks. “In order to attach the acoustic emission sensors, thermocouples, and surface moisture sensors to our boulders, we need an adhesive that we know (a) will dry/cure and survive in the cold, and (b) has properties that allow the sensors to do their jobs.” Epoxies are always ready for an adventure! [Read the full story.](#)

Cool projects with epoxy resins

Feeling inventive? These [3 projects using epoxy resins and wood](#) show how cool and artistic epoxy resins can be. From a bowl to a kitchen table or a skateboard, epoxies are loved by makers all over the world. Take a look!



Visit our website

The ERC complies with the General Data Protection Regulation. We have updated our Privacy Policy accordingly. Should you wish to consult it, you may do so by clicking on this [link](#). Remember you can always unsubscribe by clicking on the link at the bottom of this email.

Epoxy Resin Committee PlasticsEurope
Avenue E. Van Nieuwenhuyse 4/3
1160 Brussels
Belgium

[Preferences](#) | [Unsubscribe](#)